

(TO BE PUBLISHED IN THE EMPLOYMENT NEWS / ROZGAR SAMACHAR DATED 1.10.2011)

STAFF SELECTION COMMISSION

Date of Exam: 18.12.2011

Closing Date : 28.10.2011

NOTICE

RECRUITMENT OF SCIENTIFIC ASSISTANT IN INDIAN METEOROLOGICAL DEPARTMENT, 2011.

IMPORTANT INSTRUCTIONS TO CANDIDATES

1.	Commission will make All India Open Examination recruitment to the posts of SCIENTIFIC ASSISTANT <u>IN THE INDIAN METEOROLOGICAL DEPARTMENT</u> . The selection process will comprise of a Written Examination followed by Interview.
2.	The Commission proposes to seek documentary evidence in proof of E.Q., age, category, experience etc. only at the time of interview and will not undertake detailed scrutiny of applications for the eligibility and other aspects at the time of written examination and, therefore, the candidature is accepted only provisionally. The candidates are advised to go through the requirements of educational qualification, age etc. and satisfy themselves that they are eligible before applying. <u>Copies of supporting documents will be sought only from those candidates who qualify for the Interview</u> . When scrutiny is undertaken, if any claim made in the application is not found substantiated, the candidature will be cancelled and the Commission's decision shall be final. Candidates are specifically advised to see the Essential Qualifications prescribed for the post.
3.	CANDIDATES IN THEIR OWN INTEREST ARE ADVISED TO GO THROUGH THE DETAILED INSTRUCTIONS CONTAINED IN THIS NOTICE AND ALSO AVAILABLE ON THE WEBSITE OF THE COMMISSION: http://ssc.nic.in CAREFULLY BEFORE APPLYING.
4.	Candidates seeking reservation benefits available for SC/ST/OBC/Exs/PH (OH & HH) must ensure that they are entitled to such reservation as per eligibility prescribed in the Notice. They should also be in possession of the certificates in the prescribed format in support of their claim at the time of application.
5.	Candidates with physical disability of 40% and more only would be deemed as PHYSICALLY HANDICAPPED (PH) and entitled to reservation for PH.
6.	Central Government civilian employees/servants claiming age relaxation should be in possession of a certificate in the prescribed format from their office in respect of the length of continuous service which should be for not less than three years in the immediate period preceding the closing date for receipt of application. They should continue to have the status of Central Government civilian servants/employees from the day of application till the time of appointment, in the event of their selection.
7.	FEE: RUPEES ONE HUNDRED ONLY(Rs.100/-) Fee is exempted for all Women candidates and candidates belonging to Scheduled Caste, Scheduled Tribe, Physically Handicapped, as per Govt. orders.
8.	CLOSING DATE : 28.10.2011 (upto 5 P.M.). For candidates residing in Assam, Meghalaya, Arunachal Pradesh, Mizoram, Manipur, Nagaland, Tripura, Sikkim, Jammu and Kashmir, Lahaul and Spiti District and Pangi Sub Division of Chamba District of Himachal Pradesh, Andaman and Nicobar Islands, Lakshadweep and for candidates residing abroad – 07.11.2011. APPLICATIONS RECEIVED LATE WILL NOT BE ENTERTAINED.
9.	Only a single application will be entertained. Candidature in respect of multiple applications will be summarily rejected.
10.	MOBILES AND OTHER ELECTRONIC GADGETS ARE BANNED WITHIN THE PREMISES OF THE EXAMINATION CENTRES.
11.	CANDIDATES MAY APPLY IN THE PRESCRIBED FORMAT ON LINE ONLY. FACILITY OF ON-LINE APPLICATION WILL BE AVAILABLE FROM 01.10.2011 TO 26.10.2011 FOR PART-I AND 28.10.2011 FOR PART-II REGISTRATION. CANDIDATES APPLYING ON-LINE SHOULD RETAIN THE REGISTRATION NUMBER ASSIGNED TO THEM ONLINE FOR FURTHER CORRESPONDENCE WITH THE COMMISSION. THEY ARE NOT REQUIRED TO SUBMIT PRINT OUTS OF THEIR APPLICATION TO THE COMMISSION.
12.	ONLY ON LINE APPLICATION WILL BE ACCEPTED. TWO WEBSITES- http://www.ssconline.nic.in AND http://www.sscregistration.sifyitest.com ARE AVAILABLE FOR THE PURPOSE.

F.No.1/19/2010-P&P-II Staff Selection Commission will hold on Sunday, the 18.12.2011, an open competitive examination for recruitment to the post of Scientific Assistant in Indian Meteorological Department, a Group 'B' Non-Gazetted, Non-Ministerial post, in the Pay Band-2 (Rs.9300-34800) plus Grade Pay Rs.4200, all over the country.

If the number of candidates does not justify a written examination, the Commission may at its discretion dispense with the examination and shortlist candidates on the basis of percent of marks secured in the qualifying Degree/Diploma.

2. VACANCIES / RESERVATION

- (i) **465 (UR-230, OBC-128, SC-70, ST-37) & Horizontal reservation for OH-10 & HH-10).**
- (ii) Reservation for SC/ST/OBC/ExS/PH etc. categories is available as per extant Govt. Orders.
- (iii) The posts carry All India Service Liability (AISL) i.e. the candidate, on selection, may be asked to serve anywhere in the country.
- (iv) The posts have been identified suitable for the persons suffering from disabilities of (OA) One Arm affected, (OL) One Leg affected and (PD) Partially Deaf.
- (v) The number of vacancies is tentative and subject to variation.

3. NATIONALITY / CITIZENSHIP:

A candidate must be either:

- (a) a citizen of India, or
- (b) a subject of Nepal, or
- (c) a subject of Bhutan, or
- (d) a Tibetan refugee who came over to India, before the 1st January,1962, with the intention of permanently settling in India, or
- (e) a person of Indian origin who has migrated from Pakistan, Burma, Sri Lanka, East African countries of Kenya, Uganda, the United Republic of Tanzania(Formerly Tanganyika and Zanzibar), Zambia, Malawi, Zaire, Ethiopia and Vietnam with the intention of permanently settling in India.

Provided that a candidate belonging to categories (b), (c), (d) and (e) above shall be a person in whose favour a certificate of eligibility has been issued by the Government of India.

A candidate in whose case a certificate of eligibility is necessary may be admitted to the Examination but the offer of appointment will be given only after the necessary eligibility certificate has been issued to him by the Government of India.

4(A). AGE LIMIT : Not exceeding 30 years as on 28.10.2011 (normal closing date for receipt of applications).

Note : Candidate should note that only the Date of Birth as recorded in the Matriculation / Secondary Examination Certificate or an equivalent certificate available on the date of submission of application will be accepted by the Commission for determining the Age eligibility and no subsequent request for its change will be considered or granted .

4.(B) Permissible relaxation of Upper age limit prescribed under para 4(A) above :

Category-Codes for claiming Age Relaxation as on the date of reckoning :

Code No.	Category	Age-Relaxation Permissible beyond the Upper age limit
01	SC/ST	5 years
02	OBC	3 years
03	PH (OH/HH)	10 years
04	PH(OH/HH) + OBC	13 years
05	PH(OH/HH) + SC/ST	15 years
06	Ex-Servicemen (Unreserved / General)	5 years
07	Ex-Servicemen (OBC)	8 years
08	Ex-Servicemen (SC/ST)	10 years
12	Central Govt. Civilian Employees (General/Unreserved) who have rendered not less than 3 years regular and continuous service as on Closing date	05 years
13	Central Govt. Civilian Employees (OBC) who have rendered not less than 3 years regular and continuous service as on Closing date	08 (5+3) years
14	Central Govt. Civilian Employees (SC/ST) who have rendered not less than 3 years regular and continuous service as on Closing date	10 (5+5) years
21	Candidates who had ordinarily been domiciled in the State of Jammu & Kashmir (Unreserved/General)	5 years
22	Candidates who had ordinarily been domiciled in the State of Jammu & Kashmir (OBC)	8 years
23	Candidates who had ordinarily been domiciled in the State of Jammu & Kashmir (SC/ST)	10 years
27	Defence Personnel disabled in operation during hostilities with any foreign country or in a disturbed area and released as a consequence thereof (Unreserved/General)	3 years
28	Defence Personnel disabled in operation during hostilities with any foreign country or in a disturbed area and released as a consequence thereof (OBC)	6 (3+3) years
29	Defence Personnel disabled in operation during hostilities with any foreign country or in a disturbed area and released as a consequence thereof (SC/ST)	8 (3+5) years

NOTE-I : Ex-servicemen who have already secured employment in civil side under Central Government in Group 'C' & 'D' posts on regular basis after availing of the benefits of reservation given to ex-servicemen for their re-employment are NOT eligible for fee concession or for claiming benefits of reservation under EXS category. However, they are eligible for age relaxation only.

NOTE-II : The period of "Call up Service" of an Ex-Serviceman in the Armed Forces shall also be treated as service rendered in the Armed Forces for purpose of age relaxation.

NOTE-III : The post of Scientific Assistant being a Group 'B' post, there is no reservation for Ex-Servicemen category. However, benefit of age-relaxation will be admissible to Ex- S candidates, as per extant Govt. Orders.

NOTE-IV : For any serviceman of the three Armed Forces of the Union to be treated as Ex-Serviceman for the purpose of securing the benefits of reservation, he must have already acquired, at the relevant time of submitting his application for the Post / Service, the status of ex-serviceman and /or is in a position to establish his acquired entitlement by documentary evidence from the competent authority that he would complete specified term of engagement from the Armed Forces within the stipulated period of one year from the CLOSING DATE .

EXPLANATION : An Ex-Serviceman means a person who has served in any rank whether as a combatant or non-combatant in the Regular Army, Navy, Air Force of the Indian Union, and

- (i) who retired from such service after earning his/her pension. This would also include persons who are retired/retire at their own request but after having earned their pension; or
- (ii) who has been released from such service on medical grounds attributable to military service/circumstances beyond his control and awarded medical or other disability pension; or
- (iii) who has been released, otherwise than on his own request from such service as a result of reduction in establishment; or
- (iv) who has been released from such service after completing the specific period of engagements, otherwise than at his own request or by way of dismissal or discharge on account of misconduct or inefficiency, and has been given a gratuity; and includes personnel of the Territorial Army of the following categories, namely:-
 - (a) Pension holders for continuous embodied service,
 - (b) Persons with disability attributable to military service; and
 - (c) Gallantry award winners.

EXPLANATION :

The persons serving in the Armed Forces of the Union, who on retirement from service, would come under the category of "ex-serviceman" may be permitted to apply for re-employment one year before the completion of the specified terms of engagement and avail themselves of all concessions available to ex-servicemen but shall not be permitted to leave the uniform until they complete the specified term of engagement in the Armed Forces of the Union.

NOTE-V: AGE CONCESSION IS NOT ADMISSIBLE TO SONS, DAUGHTERS AND DEPENDENTS OF EX-SERVICEMEN.

4(C) : PROCESS OF CERTIFICATION AND FORMAT OF CERTIFICATES:

Candidates who wish to be considered against vacancies reserved or seek age-relaxation must submit requisite certificate from the competent authority, in the prescribed format whenever such certificates are sought by concerned Regional/Sub Regional Offices. Otherwise, their claim for SC/ST/OBC/PH/ExS status will not be entertained and their candidature/applications will be considered under General (UR) category. The formats of the certificates are annexed. OBC certificate with creamy layer status issued by the competent authority as prescribed by DOPT in the prescribed proforma up to the last tier of examination i.e. interview will be accepted by the Commission.

NOTE: Candidates are warned that they may be permanently debarred from the examination conducted by the Commission in case they fraudulently claim SC/ST/OBC/ExS/PH status.

5. **MINIMUM ESSENTIAL EDUCATIONAL QUALIFICATIONS: (As on 28.10.2011)**

Bachelor's Degree in Science (with Physics as one of the subject)/Computer Science/Information Technology/Computer Applications or Diploma in Electronics and Telecommunication Engineering from a recognized Institution/University or equivalent.

NOTE-I The qualifying Degree or diploma referred above should be in First Class (60% marks) or 6.75 CGPA on a 10 point scale.

NOTE-II The qualifying Degree or Diploma referred above must be of three (3) years duration.

NOTE-III The applicant must have passed 10+2 Examination from a Recognized Board or equivalent in Science with Physics and Mathematics as core subjects.

NOTE-IV: As per Ministry of Human Resource Development Notification No. 44 dated 01.03.1995 published in Gazette of India edition dated 08.04.1995, the Degree obtained through open Universities/Distance Education Mode needs to be recognized by Distance Education Council, IGNOU. Accordingly, unless such Degrees had been recognized for the period when the candidates acquired the relevant qualification, they will not be accepted for the purpose of Educational Qualification.

NOTE-V: Candidates who have not acquired/will not acquire the educational qualification as on the closing date of receipt of application will not be eligible and need not apply.

NOTE-VI : All candidates who are called for appearing at the Interview will be required to produce the relevant Certificate in Original such as Mark sheets, Provisional Certificate, etc. as proof of having acquired the minimum educational qualification on or before the closing date failing which the candidature of such candidate will be cancelled by the Commission.

NOTE-VII: Ex-S who have done various courses from Armed Forces which are certified by competent Authority that they are equivalent to **Bachelor's Degree in Science (with Physics as one of the subject)/Computer Science/Information Technology/Computer Applications or Diploma in Electronics and Telecommunication Engineering** are eligible to appear in the Examination.

6. **MODE OF PAYMENT:** FEE PAYABLE Rs. 100/-(Rupees One Hundred only)

The candidates submitting their applications on-line should pay the requisite fee only through State Bank of India challan or using on-line payment facility of State Bank of India. The facility of on line payment is not currently available at website <http://www.sscregistration.sifyitest.com>. Efforts are being made to provide the facility.

NOTE I: Fee once paid will not be refunded under any circumstances.

NOTE II: Fee paid by modes other than SBI in case of online application will not be accepted and the applications of such candidates will be rejected forthright and the payment made shall stand forfeited. Candidates submitting their application online shall make their payment through the State Bank of India as per instructions (Annexure-II B).

7. **CENTRES OF EXAMINATION AND ADDRESS FOR CORRESPONDENCE:**

A candidate must select only one of the centres given below for the examination and must submit his/her on line application. Entire work relating to this recruitment will be handled on behalf of the Commission by the Southern Regional Office situated at Chennai. Therefore, all future correspondences relating to the exam clearly mentioning the Registration id should be addressed to:-

**The Regional Director (SR),
Staff Selection Commission,
EVK Sampath Building, 2nd floor,
College Road,
Chennai (Tamilnadu) – 600006.**

Helpline Numbers of the Regional Office are: 09445195946 and 04428251139.

The examination will be held in the following centres:

1.	Delhi – 2201
2.	Chennai – 8201
3.	Kolkata – 4410
4.	Mumbai – 7204
5.	Allahabad – 3003
6.	Guwahati (Dispur) – 5105
7.	Bangalore – 9001
8.	Raipur – 6204
9.	Chandigarh – 1601

NOTE I: No change of Centre of Examination will be allowed under any circumstances. Hence, the candidates should select the centres carefully and indicate the same correctly in their applications.

NOTE II: The Commission reserves the right to cancel any Centre and ask the candidates of that centre to appear from another centre. Commission also reserves the right to divert candidates of any centre to some other Centre to take the examination.

8. **SCHEME OF EXAMINATION:**

The examination will be conducted in two stages:

- A. Written Test (400 marks)
- B. Interview (100 marks)

Written Test:

Two papers with 200 marks each of 2 hour duration. First paper will consists of 200 questions of objective multiple choice (Higher Secondary Standard).

<u>Papers</u>	Subject	Maximum marks	Duration & Timings
Paper-I Objective type (OMR Answer Sheets will be provided for this Paper)	(i) General Intelligence & Reasoning	50	2 Hours 10.00 A.M. to 12.00 Noon
	(ii) Quantitative Aptitude	50	
	(iii) English language & Comprehension	50	
	(iv) General Awareness	50	
<u>Paper-II</u> Conventional Type (descriptive)	Physics, OR Computer Science and Information Technology, OR Electronics & Telecommunication Engg.	200	2 Hours [2.00 P.M to 4.00 P.M]

NOTE-1: Candidates are allowed to bring their own Slide –Rule, Non Programmable Calculator Logarithm Tables and Steam Table for Paper-II only.

NOTE-2: Paper –I will consist of Objective Type Multiple Choice questions only. Answer sheet Paper-II (Conventional Type) will be evaluated in respect of only those candidates who qualify in Paper I at the standard as decided/fixed by the Commission at its discretion.

Note-3: Candidates are **not** permitted to bring or use **Mobile Phone, Calculators or any other electronic / electrical device for answering any paper (Test Booklets)**. Candidates must not, therefore, bring **Mobile Phone, Calculators or any other electronic / electrical device** inside the Examination premises. Possession of these items, whether in use or not, will be considered as “use of unfair means” in the Examination and appropriate action will be taken by the Commission against such candidates, as per extant policy of the Commission.

Note-4: There will be negative marking of 0.25 marks for each wrong answer in Paper-I. Candidates are, therefore, advised to keep this in mind while answering the questions.

Note – 5: Discrepancies in question paper should be brought to the notice of the Commission in writing within fifteen days of holding the examination. Representation submitted thereafter will not be entertained.

Note-6: If the number of application does not justify holding the examination the Commission may dispense with the written examination and shortlist candidates on the basis of academic performance.

B. Personality Test(Interview):

100 marks

Interview will carry 100 marks. Short listing of candidates will be done after evaluation of paper-I. Paper-II of only the shortlisted candidates will be evaluated. Short listing of candidates for interview will be on the basis of marks in Paper-I & II and final ranking will be on the basis of written exam marks and interview. The Commission is at liberty to prescribe qualifying marks in paper-II.

NOTE-I: Only those candidates who secure at least the minimum qualifying marks in the written examination as may be fixed by the Commission at its discretion, will be eligible to appear at the Interview. The interview will be held at places as may be decided by the Commission.

NOTE-II: SC/ST candidates called for interview will be paid TA as per Govt. Orders. However no TA is payable to any candidate for appearing in the written examination. Canvassing in any form will disqualify the candidate.

9. SYLLABUS

The details of the syllabus are given below.

Paper-I

(i) **General Intelligence & Reasoning** : The Syllabus for General Intelligence would include questions of both verbal and non-verbal type. The test may include questions on analogies, similarities, differences, space visualization, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning, verbal and figure classification, arithmetical number series etc. The test will also include questions designed to test the candidate's abilities to deal with abstract ideas and symbols and their relationships, arithmetical computations and other analytical functions.

(ii) **Quantitative Aptitude**:The questions will be designed to test the ability of appropriate use of numbers and number sense of the candidate. The scope of the test will be computation of whole numbers, decimals, fractions and relationships between numbers, Percentage, Ratio & Proportion, Square roots, Averages, interest, Profit and Loss, Discount, Partnership Business, Mixture and Alligation, Time and Distance, Time & Work, Basic algebraic identities of School Algebra & Elementary Surds, Graphs of Linear Equations, Triangle and its various Kinds of centers, Congruence and similarity of triangles, Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square base, Trigonometric ratio, Degree and Radian Measures, Standard Identities, Complementary angle, Heights and Distances, Histogram, Frequency polygon, Bar diagram & Pie chart.

(iii) English Language & Comprehension: English grammar, Vocabulary, Spellings, Synonyms and Antonyms, Comprehension, Correct and incorrect usages, etc.

(iv) General Awareness: General, physical, geographical, topographical, economic and climatic features of India. Current events. Matters of everyday observation and experience on scientific aspects and reasoning. Basic topics of mathematics, Chemistry and Physics. History of India, its cultural heritage, freedom movement, salient feature of the Constitution of India. Economic and social aspect of the country and its people.

NOTE: Paper –I will consist of Objective Type Multiple Choice questions only. Answer-sheets of Paper-II (Conventional Type) will be evaluated in respect of only those candidates who qualify in Paper I at the standard as decided/fixed by the Commission at its discretion.

Paper-II

a) Physics

Mechanics: Units and dimensions, SI UNITS, Newton's Laws of Motion, conservation of linear and angular momentum, projectiles, rotational motion, moment of inertia, rolling motion, Newton's Law of gravitation, Planetary motion, Kepler's Laws of Planetary motion, artificial satellites, Fluid motion, Bernoulli's theorem, Surface tension, Viscosity, Elastic Constants, bending of beams, torsion of cylindrical bodies, elementary ideas of special theory of relativity.

Thermal Physics, Radiation & Sound: Thermometry, Zeroth, first and second laws of thermodynamics, reversible and irreversible processes, Internal energy, Heat engines, Maxwell's relation, ideal and real gases, equations of state, Heat Capacities, Adiabatic and Isothermal processes, Clausius-Clapeyron relation, Thermal Conductivity, Entropy, Enthalpy, Dalton's law of partial pressure, Vapour pressure, Kinetic theory of gases, Brownian motion, Maxwell's velocity distribution, Equipartition of energy, mean free path Vander walls' equation of State, Liquefaction of gases.

Blackbody radiation, Kirchhoff's law, Stephen's law, Planck's law. Conduction in solids. Wave and Oscillations: Simple harmonic motion, wave motion, superposition principle, Damped oscillations; forced oscillations and resonance; simple oscillatory systems; vibrations of rods, strings and air columns. Doppler effect; Ultrasonic; Sabine's law of reverberation; Recording and reproduction of sound.

Optics: Nature and propagation of light; Reflection & Refraction. Interference; diffraction; polarization of light; simple interferometers. Determination of wavelength of spectral lines, Electromagnetic spectrum. Rayleigh scattering, Raman effect, Lenses and mirrors, combination of coaxial thin lenses, spherical and chromatic aberrations, and their corrections, Microscope, Telescope, Eyepieces and Photometry.

Electricity and magnetism: Electric charges, fields and potentials, Gauss's theorem, Electrometers, Dielectrics, Magnetic properties of matter and their measurement, Elemental theory of dia, para and ferro-magnetism, Hysteresis, Electric current and their properties, Ohm's law, Galvanometers, Whetstone's bridge and applications, Potentiometers, Faraday's law of E.M. induction, self and mutual inductance and their applications, alternating currents, impedance and resonance, LCR circuit, Dynamos, motors, transformers, Peltier-Seebeck and Thomson effects and applications, electrolysis, Hall effect, Hertz experiment and electro-magnetic waves, Particle accelerators and cyclotron.

Atomic structure: Electron, measurement of 'e' and 'e/m', measurement of Planck Constant, Rutherford-Bohr Atom, X-rays, Bragg's law, Moseley's law, Radioactivity, Alpha-Beta-Gamma emission, Elementary ideas of nuclear structures, Fission, Fusion and Reactors, Louis de Broglie waves and Electron Microscope.

Electronics; Thermo-ionic emission, diodes and triodes, p-n diodes and transistors, simple rectifier, amplifier and oscillator circuits.

b) Computer Science and Information Technology

Computer: History of Computer and their classification, Basic Organization, Memory – RAM, ROM, EPROM, etc, Magnetic-Floppy, Hard disks, CDROM, WORM etc, Concept of Virtual Memory and Cache, Number systems, binary octal, Hexadecimal, Binary Addition, Subtraction and Multiplication, Flotation, point representation and arithmetic, Arithmetic through stacks.

Operating systems: assemblers, elements of Assembly language programming-Overview of the Assembly process, assembler for the IBM PC, Process synchronization, Memory Management – address Binding – dynamic Loading and linking – overlays – logical and Physical address space – Contiguous Allocation - internal & External Fragmentation. Non-Contiguous Allocation: Paging and Segmentation Schemes – Implementation – Harare Protection – Protection – sharing – Fragmentation.

Virtual Memory: Demand Paging – Page Replacement – Page Replacement algorithms – Thrashing.

File System: File Concepts – Assess Methods – Directory Structures – Protection Consistency Semantics – File system Structures – Allocation Methods – Free Space Management.

I/O System: Overview – I/O hardware – Application I/O Interface – Kernel I/O subsystem, Performance, Secondary Storage Structures, Protection, Goals, Domain – Access matrix.

Assemblers: Elements of assembly language programming – Overview of the Assembly process – Design of a low-pass Assembler – a single pass Assembler for the IBM PC. The security Problem – Authentication – Threats – Threat Monitoring – Encryption.

Fundamentals of programming: Unix Programming, IPro0gramming in FORTRAN, C, Object Oriented Programming in C++, programming in Java, Basics of compilers.

Database Management Systems: Advantages and components of a Database Management Systems, Data Types, Data Dictionary, Query Basics, Forms and Reports, Graphical objects, Error Handling, Distributing Application, Data Storage Methods, Data Clustering and Partitioning, Database Administration, Backup and Recovery, Security and Privacy, Distributed Databases, Client/Server Databases, Object Oriented Databases, Integrated Applications, SQL, RDBMS.

Internet Technology: Basics, topologies, layers, switching in the networks, bridges, routers and gateways, types of networks, WWW. Client/Server Applications, Internet Standards and specifications, ISP, Broad Band Technologies, Protocols, web-servers, browsers, and security, fire walls, date security, HTML, dHTML XML, Web designing.

Fundamentals of GIS: GIS Data and Spatial Models, Topology and Spatial Operations, Projections, Scale and Coordinate Systems, Mapping, GIS Analysis, Cartography. Basics of GIS application development.

c) Electronics & Telecommunication

i) **Electronics:**

Conductors, Semi-conductors, Insulators, Magnetic, Passive components, characteristics of Resistors, Capacitors and inductors.

PN Junction diode, forward and reverse bias characteristics and equivalent circuits of diode, Zener diode and applications, clipping, clamping and rectifier circuits using diodes.

Bipolar Junction Transistors (BJT) Field Effect Transistor (FET) and MOSFET; Biasing and stability, Emitter follower and its applications – Negative feedback-Transistor as a switch, Multistage Amplifiers, Feedback, Oscillators, Multivibrators, Voltage regulation, Power amplifiers.

Introduction to Network Theorems: Kirchoff's laws, superposition, Thevenin's Norton's And Maximum power theorems.

Voltage and Current relationship in the resistance, inductance and capacitance. Concept of reactance, susceptance, conductance, impedance and admittance in series and parallel RL, RC and RLC circuits – Three phase supply-star and delta connection diagrams – Relation between line and phase voltages and currents, series and parallel resonance circuits – condition of resonance, resonant frequency, Q factor and bandwidth. Digital electronics – Logic gates, Demorgan's theorem, Boolean algebra, frequency counters, flip-flops, shift registers, Basic concepts of Digital to Analog and Analog to Digital Converters, Timing circuits, Digital logic circuits, systems & codes Combinational logic design.

ii) **Telecommunication:**

Basic antenna principle directive gain, directivity, radiation pattern, broad-side and end-fire array, Yagi antenna, Parabolic antenna, Ground wave propagation, space waves, ionosphere propagation and electromagnetic frequency spectrum, Modulation, types of modulation, Amplitude Modulation (AM), Modulation index, Power relation in AM, Generation and Demodulation of AM.

SSB: Power requirement in comparison with AM, Advantages of SSB over AM. Concept of Balanced Modulator, Generation of SSB, Pilot Carrier System. Independent Side System, Vestigial Sideband Transmission.

Frequency Modulation (FM): Definition of FM, Bandwidth, Noise triangle, Preemphasis and De-emphasis.

Pulse Modulation (PM): Definition of PM. Difference between AM and FM. Radio receivers. Sampling Theorem, PAM, PTM, PWM, PPM, pulse code modulation, Quantization noise, companding, PCM system, differential PCM, Delta modulation.

Multiplexing: FDM/TDM.

Introduction of digital Communication: PSK, ASK, FSK, introduction to fiber optics system, Propagation of light in optical fiber and ray model.

Propagation of signals at HF, VHF, UHF and microwave frequency and satellite communications.

10. **GENERAL INSTRUCTIONS TO BE COMPLIED BY THE CANDIDATES IN**

THE WRITTEN EXAMINATION

Paper-I & II

- (i) Candidates must write the papers/indicate the answers in their own hand.
- (ii) Candidates are not permitted to use calculators and other electronic gadgets except as specified in the Notice. They should not, therefore, bring the same inside the Examination Premises / Venue.
- (iii) If any candidate is found to possess mobile phones or any other means of wireless communication in the working or switched off mode, his/her candidature shall be cancelled forthwith.
- (v) Wherever applicable, the candidates must indicate /write the answer either in Hindi or in English or vice versa. If answers are indicated/written partly in Hindi and partly in English and vice versa, the Answer script will not be evaluated and the candidate will be awarded zero marks.
- (vi) In the question papers, wherever necessary, the Metric systems of weights and measures only will be used.

Paper-I

- (i) OMR Type of Answer Sheets will be supplied by the Commission to candidates for recording their answers of Multiple Choice Objective Type Questions. Candidates are advised to read very carefully, the following instructions, in their own interest.
 - (a) Part A & B of OMR Answer Sheet to be filled in Black Ball Point Pen only as per instructions given in OMR Sheet.
 - (b) Candidate should write his/her name, Roll Number, Ticket Number, Name of the Examination as mentioned in Admission Certificate, Date of birth and Test Form Number correctly, in the relevant places in OMR Answer Sheet. Answer Sheet not bearing candidate's Name, Roll Number, Ticket Number, Test Form No. and signature and Left Thumb Impression will not be evaluated and 'Zero' marks will be awarded to them. If any candidate belonging to reserved category does not write and code their category properly in the OMR Answer Sheet, they will be treated as belonging to UR category.

Paper-II

- (i) The choice of subject should be clearly indicated in the spaces on the Answer Booklet – top page failing which the answer sheet will not be evaluated and awarded Zero.
- (ii) Answer Booklet not bearing the candidate's Roll Number, Ticket Number, Signature LTI etc. in the space meant for the purpose will not be evaluated and awarded Zero.

11. **MODE OF SELECTION :**

Candidates will be shortlisted for the Interview on the basis of their performance in Paper-I & Paper-II of Written Examination. The Commission may at its discretion fix qualifying marks in paper-II. On the basis of marks obtained in written exam and interview candidates will be recommended for appointment by the Commission.

Provided that SC, ST, OBC and PH (OH/HH) candidates, who are selected on their own merit without relaxed standards, alongwith candidates belonging to other communities, will not be adjusted against the reserved share of vacancies. Such SC, ST, OBC and PH candidates will be accommodated against the general/unreserved vacancies as per their position in the overall Merit List. The reserved vacancies will be filled up separately from amongst the eligible SCs, STs, OBCs, and PH candidates which will, thus, comprise of SC, ST, OBC and PH candidates who are lower in merit than the last general candidate on merit list of unreserved category but otherwise found suitable for appointment even by relaxed standard.

A Physically Handicapped category candidate who qualifies on the basis of relaxed standards viz. age limit, experience or qualifications, permitted number of chances in written examination, extended zone of consideration, etc. is to be counted against reserved vacancies and not against general vacancies subject to fitness of such candidate for selection. Such candidates may also be recommended at the relaxed standards to the extent the number of vacancies reserved for them, to make up for the deficiency in the reserved quota, irrespective of their rank in the order of merit.

Success in the examination confers no right of appointment unless government are satisfied after such enquiry as may be considered necessary that the candidate is suitable in all respects of appointment to the service/post.

NOTE-I : The candidates applying for the examination should ensure that they fulfill all the eligibility conditions for admission to the examination. Their admission at all the stages of examination will be purely provisional, subject to their satisfying the prescribed eligibility conditions. If, on verification, at any time before or after the written examination and skill test, it is found that they do not fulfill any of the eligibility conditions, their candidature for the examination will be cancelled by the Commission

NOTE-II: Candidates, who are appointed on the basis of this selection, shall be **on probation** for a period of two years and during the period of probation, the candidates would be required to undergo such training or pass such examinations as prescribed by the Controlling Authority. On successful completing of the period of probation, the candidates shall, if considered fit for permanent appointment, be confirmed to their post by the Controlling Authority.

12. **RESOLUTION OF TIE CASES**

In cases where more than one candidate secure the equal aggregate marks, tie will be resolved by applying the following methods one after another :-

- (i) Total marks in written examination.
- (ii) Marks in Paper-II

- (iii) Marks in Paper-I
- (iv) Date of birth, with older candidates placed higher.
- (v) Alphabetical order in which first names of the candidates appear on line.

13. **HOW TO APPLY** : Applications must be submitted ON LINE only in the format available On-line. Annexure-I provides the indicative lay out of the application format. For detailed instructions relating to the application form and how the application is to be submitted, Annexure - II A & Annexure - II B may be referred to. It is not necessary to send print outs of on line applications or any document at the stage of application.

14. Code of State/UTs for exercising preference.

Code	State/UT	Code	State/UT
A	Andaman & Nicobar Islands	M	Jharkhand
B	Andhra Pradesh	N	Karnataka
C	Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Assam & Tripura.	O	Kerala & Lakshadweep
D	Bihar	P	Madhya Pradesh
E	Chandigarh	Q	Maharashtra and Dadra & Nagar Haveli
F	Chhattisgarh	R	Orissa
G	Delhi	S	Punjab
H	Goa, Daman & Diu	T	Rajasthan
I	Gujarat	U	Tamilnadu and Puducherry
J	Haryana	V	Uttarakhand
K	Himachal Pradesh	W	Uttar Pradesh
L	Jammu & Kashmir	X	West Bengal and Sikkim

15. **ADMISSION TO THE EXAMINATION:**

All candidates who apply in response to this advertisement by the CLOSING DATE will be assigned Roll numbers. These will be communicated to them or placed on the website of the concerned Regional Office at least two weeks before the date of the examination. A candidate must write his/her Roll number along with his/her name, date of birth and name of the examination while addressing any communication to the Commission. Communication from the candidate not furnishing these particulars shall not be entertained.

Admission Certificates (ACs) for the Examination indicating the time table and also venues of examination for each candidate will be issued to all applicants about two weeks before the date of examination. IF ANY CANDIDATE DOES NOT RECEIVE ADMISSION CERTIFICATE FOR THE EXAMINATION ONE WEEK BEFORE THE DATE OF EXAMINATION, HE/SHE MUST IMMEDIATELY CONTACT THE CONCERNED REGIONAL/SUB REGIONAL OFFICE (S) OF THE COMMISSION WITH PROOF OF HAVING SUBMITTED HIS/HER APPLICATION. (In case of Applications submitted under Certificate of Posting, the Date-Stamp of the Post-Office concerned should be clearly legible). FAILURE TO DO SO WILL DEPRIVE HIM/HER OF ANY CLAIM FOR CONSIDERATION. CANDIDATES ALSO HAVE THE OPTION TO DOWNLOAD THE ADMISSION CERTIFICATES FROM THE CONCERNED REGIONAL/SUB REGIONAL OFFICES WEBSITE. SUCH FACILITY WILL BE AVAILABLE ABOUT TWO WEEKS BEFORE THE EXAMINATION.

Candidates who applied on-line but are unable to download their Admission Certificates or do not receive their Admission Certificates at least one week before the date of the examination should contact the concerned Regional Office with details such as Registration ID, Transaction ID of SBI, copy of challan, etc. for obtaining the Admission Certificates. Details of deficiency, if any, may also be placed on the Commission's website (<http://ssc.nic.in>) about two weeks before the examination.

15. COMMISSION'S DECISION FINAL

The decision of the Commission in all matters relating to eligibility, acceptance or rejection of the applications, penalty for false information, mode of selection, conduct of examination(s) and interviews, allotment of examination centres, selection and allotment of posts/organizations to selected candidates will be final and binding on the candidates and no enquiry/correspondence will be entertained in this regard.

16. COURTS JURISDICTION

Any dispute in regard to this recruitment will be subject to courts/tribunals having jurisdiction over the place of concerned Regional/Sub-Regional Office of the SSC where the candidate has submitted his/her application.

17. For detailed instructions relating to Application form, instructions for filling up the application form and for on-line payment/submission of application, candidates are advised to refer Annexures- II A & II B.

BROCHURE

INSTRUCTIONS FOR FILLING UP THE APPLICATION

- I. Please go through the instructions given below for filling up each item numbered in the application form:-
 1. **Name of the Examination Centre and 2. Centre Codes**
Refer to para-7 of the Notice of the Examination.
 12. **Code for seeking age relaxation.**
Refer to para 4 B of the Notice of the Examination.
 13. Candidates should indicate whether they belong to one of the minority communities notified by Govt. namely Muslims, Christians, Sikhs, Buddhists, or Zoroastrians (Parsis).
 15. **Educational Qualification and Subject Code:** From Intermediate/ Higher Secondary/ 10 + 2 onwards.
See Annexure – IX
Use 'Others' if any particular Educational Qualification or Subject is not assigned a code.
 17. **Address for communication**
Furnish complete communication address. Do not forget to write 6 digits PIN in the boxes.

Procedure for Online Submission of Application

Note: On-line application will be available from 01.10.2011 to 26.10.2011 for part-I registration and 28.10.2011(up to 5.00 PM) for part-II registration.

The online submission of the application may be made at website www.ssconline.nic.in. Instructions are available at the site. Candidate should read the instructions carefully before making any entry or selecting options. Candidate should supply all the required details while filling up the online form. Mandatory fields are marked with * (asterisk) sign. The filling of online application contains two parts :

Part I Registration

Part II Registration

1. In Part I registration, candidate will have to fill basic information. On submission of details, candidate shall be prompted to check the details and make any correction in the application.
2. Candidate may press “I agree” button after declaration once he/she finds that information supplied by him/her is in order and no correction is required. Thereafter no correction/modification etc. shall be allowed.
3. Then a page with Registration No. shall be generated. Note down registration number or take out the print out of the page. The application procedure is incomplete without part II registration. Part II registration requires filling of payment details, uploading of photograph and scanned signature. Candidates may note that the Registration number given by the Commission and Transaction ID of the Bank should be properly entered in the relevant space, failing which it will not be possible to link the payment with Part I registration. On-line application will be complete only if scanned signature and photo are uploaded as per instructions.
4. Candidates who have to pay application fee can pay fee online through net banking, or cash through SBI bank challan. However, the facility of on line payment is not currently available in <http://www.sscregistration.sifyitest.com>
5. To pay fee in cash, candidate can take printout of challan generated online after completion of part I registration. Deposit the requisite fee in pay branch of State Bank of India and then continue with the Part II registration.
6. Those who want to pay online through net banking, can go directly to part II registration after completion of part I. Candidate will have to supply registration number and date of birth to continue to Part II registration.
7. As approval of the Controller General of Accounts, Ministry of Finance has not been received for use of credit cards / debit cards, payment through these modes will not be available.
8. Those who are exempted from payment of fee can skip steps 4 to 7.
9. Then upload a recently taken scanned photograph in 8 – bit JPG format. The digital size of the file must be of resolution 100 pixel widths by 120 pixels height.
10. Then upload your scanned signature in 8 – bit grayscale JPG format. The digital size of the file must be of resolution 140 pixel width by 60 pixels height.
11. Candidates are advised to go through the instructions carefully before filling up the application form.
12. Request for change/correction in any particulars in the Application Form shall not be entertained under any circumstances. The Staff Selection Commission will not be responsible for any consequences arising out of non acceptance of any correction/addition/deletion in any particular filled in application form whatever the reasons may be.

ANNEXURE-III

FORM OF CERTIFICATE TO BE SUBMITTED BY CENTRAL GOVERNMENT
CIVILIAN EMPLOYEES SEEKING AGE-RELAXATION

(To be filled by the Head of the Office or Department in which the candidate is working).
(Please see Para 4(B) of the Notice)

It is certified that *Shri/Smt./Km. _____ is a Central Government
Civilian employee holding the post of ----- in the pay scale of
Rs. _____ with 3 years regular service in the grade

Signature _____
Name _____
Office seal

Place:

Date :

(*Please delete the words which are not applicable.)

ANNEXURE- IV

Form of Certificate for serving Defence Personnel (Please see Note III Para-4 (B) of Notice
for the Examination)

I hereby certify that, according to the information available with me (No.)
_____ (Rank) _____ (Name)
_____ is due to complete the specified term of his
engagement with the Armed Forces on the (Date) _____.

Place:

(Signature of Commanding Officer)

Date:

Office Seal:

UNDERTAKING TO BE GIVEN BY THE CANDIDATE COVERED UNDER NOTE III
PARA 4(B) OF NOTICE.

I understand that, if selected on the basis of the recruitment/examination to which the application relates, my appointment will be subject to my producing documentary evidence to the satisfaction of the Appointing Authority that I have been duly released/retired/discharged from the Armed Forces and that I am entitled to the benefits admissible to Ex-Servicemen in terms of the Ex-Servicemen Re-employment in Central Civil Services and Posts rules, 1979, as amended from time to time.

I also understand that I shall not be eligible to be appointed to a vacancy reserved for Ex-S in regard to the recruitment covered by this examination, if I have at any time prior to such appointment, secured any employment on the civil side (including Public Sector Undertakings, Autonomous Bodies/Statutory Bodies, Nationalized Banks, etc.) by availing of the concession of reservation of vacancies admissible to Ex-S.

I further submit the following information:

- a) Date of appointment in Armed Forces _____
- b) Date of discharge _____
- c) Length of service in Armed Forces _____
- d) My last Unit / Corps _____

(Signature of the Candidate)

Place:

Date:

FORMAT FOR SC/ST CERTIFICATE

A candidate who claims to belong to one of the Scheduled Caste or the Scheduled Tribes should submit in support of his claim an attested/certified copy of a certificate in the form given below, from the District Officer or the sub-Divisional Officer or any other officer as indicated below of the District in which his parents (or surviving parent) ordinarily reside who has been designated by the State Government concerned as competent to issue such a certificate. If both his parents are dead, the officer signing the certificate should be of the district in which the candidate himself ordinarily resides otherwise than for the purpose of his own education. Wherever photograph is an integral part of the certificate, the Commission would accept only attested photocopies of such certificates and not any other attested or true copy.

(The format of the certificate to be produced by Scheduled Castes and Scheduled Tribes candidates applying for appointment to posts under Government of India)

This is to certify that Shri/Shrimati/Kumari* _____
son/daughter of _____ of village/town/* in
District/Division *_____ of the State/Union Territory*

_____ belongs to the Caste/Tribes _____ which is recognized as a Scheduled
Castes/Scheduled Tribes* under:-

The Constitution (Scheduled Castes) order, 1950 _____

The Constitution (Scheduled Tribes) order, 1950 _____

The Constitution (Scheduled Castes) Union Territories order, 1951 *

_____ The Constitution (Scheduled Tribes) Union Territories Order,
1951* _____

As amended by the Scheduled Castes and Scheduled Tribes Lists(Modification) order, 1956, the Bombay Reorganization Act, 1960 & the Punjab Reorganization Act, 1966, the State of Himachal Pradesh Act 1970, the North-Eastern Area(Reorganization) Act, 1971 and the Scheduled Castes and Scheduled Tribes Order(Amendment) Act, 1976.

The Constitution (Jammu & Kashmir) Scheduled Castes Order, 1956 _____

The Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959 as amended by the Scheduled Castes and Scheduled Tribes order (Amendment Act), 1976*.

The Constitution (Dadra and Nagar Haveli) Scheduled Castes order 1962.

The Constitution (Dadra and Nagar Haveli) Scheduled Tribes Order 1962@.

The Constitution (Pondicherry) Scheduled Castes Order 1964@

The Constitution (Scheduled Tribes) (Uttar Pradesh) Order, 1967 @

The Constitution (Goa, Daman & Diu) Scheduled Castes Order, 1968@

The Constitution (Goa, Daman & Diu) Scheduled Tribes Order 1968 @

The Constitution (Nagaland) Scheduled Tribes Order, 1970 @

The Constitution (Sikkim) Scheduled Castes Order 1978@

The Constitution (Sikkim) Scheduled Tribes Order 1978@

The Constitution (Jammu & Kashmir) Scheduled Tribes Order 1989@
The Constitution (SC) orders (Amendment) Act, 1990@
The Constitution (ST) orders (Amendment) Ordinance 1991@
The Constitution (ST) orders (Second Amendment) Act, 991@
The Constitution (ST) orders (Amendment) Ordinance 1996

%2. Applicable in the case of Scheduled Castes, Scheduled Tribes persons who have migrated from one State/Union Territory Administration.

This certificate is issued on the basis of the Scheduled Castes/ Scheduled tribes certificate issued to Shri/Shrimati _____ Father/mother _____ of _____ of _____ of village/town* _____ in District/Division* _____ of the State/Union Territory* _____ who belong to the _____ Caste/Tribe which is recognized as a Scheduled Caste/Scheduled Tribe in the State/Union Territory* issued by the _____ dated _____.

%3. Shri/Shrimati/Kumari and /or * his/her family ordinarily reside(s) in village/town* _____ of _____ District/Division* _____ of the State/Union Territory of _____

Signature _____
** Designation _____
(with seal of office)

Place _____
Date _____

* Please delete the words which are not applicable

@ Please quote specific presidential order

% Delete the paragraph which is not applicable.

NOTE: The term ordinarily reside(s) used here will have the same meaning as in section 20 of the Representation of the People Act, 1950.

** List of authorities empowered to issue Caste/Tribe Certificates:

- (i) District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner/Additional Deputy Commissioner/Dy. Collector/Ist Class Stipendiary Magistrate/Sub-Divisional Magistrate/Extra-Assistant Commissioner/Taluka Magistrate/Executive Magistrate.
- (ii) Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magistrate.
- (iii) Revenue Officers not below the rank of Tehsildar.
- (iv) Sub-Divisional Officers of the area where the candidate and/or his family normally resides.

NOTE: ST candidates belonging to Tamil Nadu state should submit caste certificate ONLY FROM THE REVENUE DIVISIONAL OFFICER.

ANNEXURE-VII

(FORMAT OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR APPOINTMENT TO POSTS UNDER THE GOVERNMENT OF INDIA)

This is to certify that _____ son/ daughter of _____ of village _____ District/Division _____ in the _____ State _____ belongs to the _____ Community which is recognized as a backward class under:

- i) Resolution No. 12011/68/93-BCC dated the 10th September, 1993, published in the Gazette of India Extraordinary – Part I, Section I, No. 186 dated 13th September, 1993.
- ii) Resolution No. 12011/9/94-BCC, dated 19.10.1994 published in Gazette of India extraordinary Part I Section I No. 163, dated 20th October, 1994.
- iii) Resolution No. 12011/7/95-BCC dated the 24th May 1995 Published in the Gazette of India extraordinary Part-I Section I No. 88 dated 25th May, 1995.
- iv) Resolution No.12011/96/94-BCC dated 9th March, 1996.
- v) Resolution No. 12011/44/96-BCC, dated the 6th December, 1996, published in the Gazette of India – Extraordinary-part I, Section-I, No. 210, dated the 11th December, 1996.
- vi) Resolution No.12011/13/97-BCC dated 3rd December, 1997.
- vii) Resolution No.12011/99/94-BCC dated 11th December, 1997.
- viii) Resolution No.12011/68/98-BCC dated 27th October, 1999.
- ix) Resolution No.12011/88/98-BCC dated 6th December, 1999, published in the Gazette of India, Extra Ordinary Part-I, Section-I No.270, 6th December, 1999.
- x) Resolution No.12011/36/99-BCC dated 4th April, 2000, published in the Gazette of India, Extra Ordinary Part-I, Section-I, No.71 dated 4th April, 2000.
- xi) Resolution No.12011/44/99-BCC dated 21.9.2000, published in the Gazette of India, Extra Ordinary Part-I, Section-I, No.210 dated 21.9.2000.

Shri _____ and/or his family ordinarily reside(s) in the _____ District/Division of the _____ State.

This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in column 3 of the Schedule to the Government of India, Department of Personnel & Training OM No. 36012/22/93-Estt. (SCT,) dated 08.09.1993 and modified vide Govt. of India Deptt. of Personnel and Training OM No. 36033/3/2004-Estt(Res) dated 09.03.2004 & 14.10.2008

Dated:

District Magistrate or
Deputy Commissioner etc.

Seal:

Note-I (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

(b) The authorities competent to issue Caste Certificate are indicated below:-

- (i) District Magistrate/Additional Magistrate/Collector/Dy. Commissioner/ Additional Deputy Commissioner/Deputy Collector/Ist Class Stipendary Magistrate/ Sub-Divisional Magistrate/Taluka Magistrate/ Executive Magistrate/Extra Assistant Commissioner (not below the rank of 1st Class Stipendiary Magistrate).
- (ii) Chief Presidency Magistrate /Additional Chief Presidency Magistrate/ Presidency Magistrate.
- (iii) Revenue Officer not below the rank of Tehsildar
- (iv) Sub-Divisional Officer of the area where the candidate and/or his family resides.

The candidate should furnish the relevant OBC certificate in the format prescribed for Central Government jobs as per Annexure-VII issued by the Competent Authority at the time of interview. The certificate must be dated on or before the date of interview.

ANNEXURE-VIII

NAME & ADDRESS OF THE INSTITUTE/HOSPITAL

Certificate No. _____ Date _____

DISABILITY CERTIFICATE

This is certified that Shri/Smt/Kum _____ son/wife/daughter of Shri _____
_____ age _____ sex _____ identification mark(s) _____
is suffering from permanent disability of following category :-

A. Locomotor or cerebral palsy :

- (i) BL-Both legs affected but not arms.
- (ii) BA-Both arms affected (a) Impaired reach
(b) Weakness of grip
- (iii)BLA-Both legs and both arms affected
- (iv)OL-One leg affected (right or left) (a) Impaired reach
(b) Weakness of grip
- (c) Ataxic
- (v)OA-One arm affected (a) Impaired reach
(b) Weakness of grip
(c) Ataxic
- (vi)BH-Stiff back and hips (Cannot sit or stoop)
- (ii) MW-Muscular weakness and limited physical endurance.

Affix here recent
attested
Photograph
Showing the
disability duly
attested by the
chairperson of the
Medical Board

- B. Blindness or Low Vision : (i) B-Blind
(ii) PB-Partially Blind
- C. Hearing Impairment : (i) D-Deaf
(ii) PD-Partially Deaf

(DELETE THE CATEGORY WHICHEVER IS NOT APPLICABLE)

2. This condition is progressive/non-progressive/likely to improve/not likely to improve. Re-assessment of this case is not recommended/is recommended after a period of _____ years _____ months.*

3. Percentage of disability in his/her case is percent.

4. Sh./Smt./Kum meets the following physical requirements for discharge of his /her duties :-

- | | |
|--|--------|
| (i) F-can perform work by manipulating with fingers. | Yes/No |
| (ii) PP-can perform work by pulling and pushing. | Yes/No |
| (iii) L-can perform work by lifting. | Yes/No |
| (iv) KC-can perform work by kneeling and crouching. | Yes/No |
| (v) B-can perform work by bending. | Yes/No |
| (vi) S-can perform work by sitting. | Yes/No |
| (vii) ST-can perform work by standing. | Yes/No |
| (viii) W-can perform work by walking. | Yes/No |
| (ix) SE-can perform work by seeing. | Yes/No |
| (x) H-can perform work by hearing/speaking. | Yes/No |
| (xi) RW-can perform work by reading and writing. | Yes/No |

(Dr. _____)
Member, Medical Board

(Dr. _____)
Member, Medical Board

(Dr. _____)
Chairperson, Medical Board

Countersigned by the Medical Superintendent/
CMO/Head of Hospital (with seal)

*Strike out which is not applicable.

Essential Educational Qualification Code

Educational Qualification	Code
Intermediate	02
Certificate	03
Diploma	04
BA	05
BA (Hons.)	06
B. Com.	07
B.Com. (Hons.)	08
B.Sc.	09
B.Sc. (Hons.)	10
B. Ed.	11
LLB	12
BE	13
B. Tech	14
AMIE (Part A & Part B)	15
B.Sc. (Engg.)	16
BCA	17
BBA	18
Graduation issued by Defence (Indian Army, Air Force, Navy)	19
B. Lib.	20
B. Pharm.	21
ICWA	22
CA	23
PG Diploma	24
MA	25
M.Com.	26
M. Sc.	27
M.Ed.	28
LLM	29
ME	30
M. Tech.	31
M. Sc. (Engg.)	32
MCA	33
MBA	34
Others	35

Subject Code for Educational Qualification

Subject of Educational Qualification	Code
History	01
Political Science	02
Economics	03
English Literature	04
Hindi Literature	05
Geography	06
Commerce	07
Law	08
Physics	09
Chemistry	10
Mathematics	11
Statistics	12
Botany	13
Zoology	14
Agriculture Science	15
Civil Engineering	16
Electrical Engineering	17
Mechanical Engineering	18
Electronics Engineering	19
Electronics & Power Engineering	20
Electronics & Communication Engineering	21
Electronics & Instrumentation Engineering	22
Agriculture Engineering	23
Computer Science	24
Computer Application	25
Information Technology	26
Library Science	27
Accountancy	28
Work Accountancy	29
Business Administration	30
Mass Communication	31
Journalism	32
Mass Communication & Journalism	33
Pharmacy	34
Photography	35
Printing Technology	36
Nursing	37
Assamese	38
Bengali	39
Malyalam	40
Telgu	41
Kannada	42
Tamil	43
Marathi	44
Gujrati	45
Urdu	46
Sanskrit	47
Others	48
Electrical & Electronics	49
Electrical/Power	50
Civil & Structural Engineering	51
Civil and Rural Engineering.	52
Mechanical Engineering with specialization in Production Engineering.	53

Mechanical Engineering with specialization in Power Plant Engineering.	54
Mechanical Engineering with specialization in Tool Tech Engineering.	55
Civil Engineering with specialization in Architecture & Town Planning.	56
Civil Engineering with specialization in Public Health Engineering.	57
Civil Engineering (N.C)	58
Civil Engineering (Water & Power Resources)	59
Civil Engineering (Water Resources)	60
Civil Engineering (Construction)	61
Civil Engineering (Environmental Pollution & Control)	62
Mechanical Engineering (Production)	63
Mechanical Engineering (Maintenance)	64
Mechanical Engineering (Automobile)	65
Physics and Mathematics	66

